Name of Work: Improvements to Roads and Asphalting at Muninagappa layout Surrounding area Dasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division

MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

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Name of Work: Improvements to Roads and Asphalting at Muninagappa layout Surrounding area Dasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3								
	Vide Premeasurement page no. 1 to 2					706.12			
						Present Qty	**706.12**	**Cum**	**217.96**	**153905.92**
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by								
	Vide Premeasurement page no. 3 to 5					303.59			1728170.90
						Present Qty	**303.59**	**Cum**	**5692.45**	**1728185.13**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69								
	Vide Premeasurement page no. 6 to 8					209.41			1554450.43
						Present Qty	**209.41**	**Cum**	**7423.00**	**1554425.19**
4	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying								
	Vide Premeasurement page no. 9 to 11					15.09			1145875.75
						Present Qty	**15.09**	**Tn**	**75936.10**	**1145759.72**
7	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per								
	Vide Premeasurement page no. 12 to 13.					721.87			-86
						Present Qty	**721.87**	**Cum**	**59.07**	**42640.94**
8	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on								
	Vide Premeasurement page no. 14					47.04			98523.87
						Present Qty	**47.04**	**Cum**	**2094.47**	**98513.40**
9	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers								
	Vide Premeasurement page no. 15					269.49			566236.22
						Present Qty	**269.49**	**Cum**	**2101.14**	**566227.81**
10	KSRRB M500-6. Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WMMincluding cleaning of road surface and spraying primer at the rate of0.60 kg / sqm using mechanical means complete as per specifications.Clause 502 of MORTH								
	Vide Premeasurement page no.					1076.68			.23
						Present Qty	**1076.68**	**Sqm**	**30.05**	**32354.08**

K. S. Chowdareddy
Contractor

Assistant Engineer

Asst. Executive Engineer

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Name of Work: Improvements to Roads and Asphalting at Muninagappa layout Surrounding area Dasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
5	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M25 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the								
	Muninagappa Layout								
	CC Drain Raft								
	Kohinoor Mens Parlour Beside Rd								
	LHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 36.50m	1	6.50	0.90		5.85			
	SLNSK Enterprises Rd								
	RHS								
	Ch: 0.00m to 28.00m	1	28.00	0.90		25.20			
	Sri Muneshwaera Swamya Nilaya Rd								
	LHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 35.00m	1	5.00	0.90		4.50			
	F T Thomas House Rd								
	LHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 35.60m	1	5.60	0.90		5.04			
	Cross Rd-1								
	LHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 54.50m	1	24.50	0.90		22.05			
	Cross Rd-2								
	LHS								
	Ch: 0.00m to 26.00m	1	26.00	0.75		19.50			
	Cross Rd3- from end								
	RHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 59.70m	1	29.70	0.90		26.73			
	Muninagappa Layout Main Rd from end								
	RHS								
	Ch: 0.00m to 24.60m	4	24.60	0.90		22.14			

266.01

Executive Engineer

14/6/24

J.S.Choudareddy
Contractor

14.06.2024
Asst.Engineer

14/6/24
Asst.Exec.Engine

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Rd Gap		4.20						
Ch: 28.80m to 54.00m	1	25.20	0.90		22.68			
Culvert Gap		5.00						
Ch: 59.00m to 84.50m	1	25.50	0.90		22.95			
Culvert Gap		5.10						
Ch: 89.60m to 101.80m	1	12.20	0.90		10.98			
Ch: 101.80m to 114.10m	1	12.30	0.90		11.07			
Culvert Gap		6.10						
Ch: 120.20m to 145.80m	1	25.60	0.90		23.04			
Culvert Gap		5.7						
Ch: 151.50m to 161.20m	1	9.7	0.90		8.73			
LHS								
Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
Ch: 30.00m to 60.00m	1	30.00	0.90		27.00			
Ch: 60.00m to 90.00m	1	30.00	0.90		27.00			
Ch: 90.00m to 120.00m	1	30.00	0.90		27.00			
Ch: 120.00m to 132.00m	1	12.00	0.90		10.80			
Main Rd								
Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
Ch: 30.00m to 35.30m	1	5.30	0.90		4.77			
Missing Slab/ Damage Slab	4	0.60	0.90		2.16			
				Present Qty	518.19	Sqm	2453.62	1271441.35

Executive Engineer

K.L.Chowdereddy
Contractor

14.06.2024
Asst.Engineer

14/6/2024
Asst.Exec.Engineer

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Name of Work: **Improvements to Roads and Asphalting at Muninagappa layout Surrounding area Dasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division**

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
6	Providing and Fixing pre cast covering Slab 250mm thick made out of M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As								
	Muninagappa Layout								
	Culvert Raft								
		1	5.50	1.20		6.60			
		1	5.40	1.20		6.48			
		1	5.50	1.20		6.60			
		1	6.40	1.20		7.68			
		1	6.00	1.20		7.20			
		1	5.00	1.20		6.00			
		1	5.20	1.20		6.24			
		1	5.00	1.20		6.00			
					Present Qty	**52.80**	**Sqm**	**5688.36**	**300345.41**

G.S. Chowdareddy
Contractor

14.06.2019

Asst.Engineer

Asst.Exec.Engineer

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Name of Work: Improvements to Roads and Asphalting at Muninagappa layout Surrounding area Dasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
11	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015.– do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70								
	Asphalt Road								
	Muninagappa Layout								
	Muninagappa Layout Main Rd from end								
	Ch: 0.00m to 6.00m	1	6.00	(2.80 + 2.80)/2	0.04	0.67			
	Ch: 6.00m to 30.00m	1	24.00	(5.90 + 5.50)/2	0.04	5.47			
	Ch: 30.00m to 55.00m	1	25.00	(6.70 + 4.80)/2	0.04	5.75			
	Ch: 55.00m to 59.50m	1	4.50	(7.00 + 7.10)/2	0.04	1.27			
	Ch: 59.50m to 89.50m	1	30.00	(5.90 + 6.00)/2	0.04	7.14			
	Ch: 89.50m to 119.50m	1	30.00	(6.00 + 5.40)/2	0.04	6.84			
	Ch: 119.50m to 149.50m	1	30.00	(5.40 + 5.50)/2	0.04	6.54			
	Ch: 149.50m to 179.50m	1	30.00	(5.50 + 5.20)/2	0.04	6.42			
	Ch: 179.50m to 192.50m	1	13.00	(5.20 + 6.20)/2	0.04	2.96			350625.12
					Present Qty	**43.07**	**Cum**	**8140.82**	**350600.69**

Executive Engineer

21/3/22

Asst.Engineer

Asst.Exec.Engineer

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Name of Work: Improvements to Roads and Asphalting at Muninagappa layout Surrounding area Dasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division

Detailed Measurements

Measurement Recorded On:

Sl No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials,								
	CC Road								
	Muninagappa Layout								
	Kohinoor Mens Parlour Beside Rd								
	Ch: 0.00m to 30.00m	1	30.00	(5.70 + 5.05)/2	0.15	24.19			
	Ch: 30.00m to 37.00m	1	7.00	(5.05 + 5.00)/2	0.15	5.28			
	SLNSK Enterprises Rd								
	Ch: 0.00m to 30.00m	1	30.00	(5.00 + 5.30)/2	0.15	23.18			
	Ch: 30.00m to 36.50m	1	6.50	(5.30 + 5.20)/2	0.15	5.12			
	Sri Muneshwaera Swamy a Nilaya Rd								
	Ch: 0.00m to 30.00m	1	30.00	(5.00 + 5.00)/2	0.15	22.50			
	Ch: 30.00m to 35.00m	1	5.00	(5.00 + 5.10)/2	0.15	3.79			
	F T Thomas House Rd								
	Ch: 0.00m to 30.00m	1	30.00	(5.10 + 5.10)/2	0.15	22.95			
	Ch: 30.00m to 36.00m	1	6.00	(5.10 + 5.00)/2	0.15	4.55			

111.36

Executive Engineer

2/3/2022

30/03

P. Chowdareddy
Contractors

Asst Engineer

Asst.Exec.Engineer

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Cross Rd-1									
Ch: 0.00m to 30.00m	1	30.00	3.90 + 3.80 / 2		0.15	17.33			
Ch: 30.00m to 41.00m	1	11.00	3.80 + 5.80 / 2		0.15	7.92			
Ch: 41.00m to 63.00m	1	22.00	5.80 + 6.60 / 2		0.16	21.88			
Ch: 63.00m to 72.00m	1	9.00	2.90 + 2.60 / 2		0.16	3.97			
Cross Rd3- from end									
Ch: 0.00m to 19.40m	1	19.40	5.20 + 4.50 / 2		0.16	15.09			
Ch: 19.40m to 20.70m	1	1.30	2.00 + 2.00 / 2		0.16	0.42			
Ch: 20.70m to 50.70m	1	30.00	4.10 + 3.30 / 2		0.16	17.80			
Ch: 50.70m to 56.70m	1	6.00	3.50 + 3.30 / 2		0.16	3.27	87.65		1089930.63
					Present Qty	**199.22**	**Cum**	**5470.99**	**1089925.68**

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nagappa layout

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06-20-000178

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No

enditure Booked \ Re

Street ID:

Asst.Engineer

Asst.Exec.Engineer

Scanned by CamScanner

Name of Work: Improvements to Roads and Asphalting at Muninagappa layout Surrounding area Dasarahalli Village In Ward No.06 Thanisandra Byatarayanapura Sub Division

Detailed Measurements

Measurement Recorded On:

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803								
Asphalt Road								
Muninagappa Layout								
Muninagappa Layout Main Rd from end								
Ch: 0.00m to 6.00m	2	6.00	0.10		1.20			
Ch: 6.00m to 30.00m	2	24.00	0.10		4.80			
Ch: 30.00m to 55.00m	2	25.00	0.10		5.00			
Ch: 55.00m to 59.50m	2	4.50	0.10		0.90			
Ch: 59.50m to 89.50m	2	30.00	0.10		6.00			
Ch: 89.50m to 119.50m	2	30.00	0.10		6.00			
Ch: 119.50m to 149.50m	2	30.00	0.10		6.00			
Ch: 149.50m to 179.50m	2	30.00	0.10		6.00			
Ch: 179.50m to 192.50m	2	13.00	0.10		2.60			
				Present Qty	**38.50**	**Sqm**	**477.43**	**18381.06**
				8352881.73		**Total**	**8352706.38**	
				1002345.81		**GST 12%**	**1002324.77**	
				9355227.54		**Grand Total**	**9355031.14**	

Round off- 93,55,000.00

S. Chowdareddy
Contractor

Asst.Engineer

Asst.Exec.Engineer

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